

Brihat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Project Division

Name of Work Improvements to Roads and Drains At Thrumenahalli Colony in Ward no 05

Modified Schedule - B

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	KSRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Manual Means.	Cum	510.26	526.00	Rupees Five Hundred Twenty Six Only
2	KSRB 500-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	811.71	135.00	Rupees One Hundred Thirty Five Only
3	KSRB M2100-10. Providing and laying Plain cement concrete of max. 1:3:6 with CPC @ 220kg, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.60cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, WCM curing, form work, scaffolding and centering complete as per specifications.	Cum	107.06	5780.00	Rupees Five Thousand Seven Hundred Eighty Only
4	Providing and laying plain/reinforced cement concrete for side drain using M20 nominal r/c concrete with CPC at 220 kgs, with 20mm and down size granite metal coarse aggregates at 0.60 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottoms including centering, shuttering, cost of materials, WCM of machinery, curing etc., complete excluding cost of steel as per KSRB specification No. 1500, 1700, 2700 including cost of materials, labour, WCM complete as per specifications. Steel & bottom reinforcement. 10mm.	Cum	154.55	2423.00	Rupees Seven Thousand Four Hundred Twenty Three Only
5	Providing and laying in position plain/reinforced cement concrete M20 for sub-structure/superstructure works, with cement @ 220 kgs, 20 mm & down size graded granite metal coarse aggregates @ 0.60 cum and fine aggregates @ 0.46 cum machine mixed with super plasticizers @ 3 ltr conforming to IS 9300 2004, concrete laid in layers, well compacted and providing weep holes wherever necessary with necessary scaffolding, form work etc., including cost of labour, WCM.	Cum	12.85	5541.00	Rupees Five Thousand Five Hundred Forty One Only
6	KSRB 4.6.1. Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KRS 4.6.1	Sqm	9.96	287.00	Rupees Two Hundred Eighty Seven Only
7	KSRB 4.6.1. Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KRS 4.6.1	Sqm	59.76	398.00	Rupees Three Hundred Ninety Eight Only
8	KSRB 4.6.2. Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, WCM complete as per specifications.	Tn	13.80	78578.00	Rupees Seventy Eight Thousand Nine Hundred Seventy Eight Only
9	Providing and laying RCC Precast cover slab of 120mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including, form work, lift charges, curing and concrete finished surface on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate).	Sqm	540.00	3454.00	Rupees Two Thousand Four Hundred Fifty Four Only
	Above 125%	Sqm	377.15	2454.00	Rupees Two Thousand Four Hundred Fifty Four Only

	Providing and Fixing pre cast covering Slab 250mm thick made out of C 1:2:4 and jelly 20mm Down size with steel reinforcement including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc	Sqm	31.76	5688.00	Rupees Five Thousand Six Hundred Eighty Eight Only
	KSRRB M300-5.1. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of modified proctors density MORTH Specification No. 305	Cum	0.00	362.00	Rupees Three Hundred Sixty Two Only
12	KSRRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications, specification. No. KBS 2.10.2	Cum	0.00	2293.00	Rupees Two Thousand Two Hundred Ninety Three Only
13	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per	Cum	0.00	1948.00	Rupees One Thousand Nine Hundred Forty Eight Only
14	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the	Cum	57.50	2101.00	Rupees Two Thousand One Hundred One Only
	Above 125%	Cum	1.99	2101.00	Rupees Two Thousand One Hundred One Only
15	KSRRB M600-1. Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications, Clause 601 of MORTH V Revision and IS 456 Table-5	Cum	311.66	3990.00	Rupees Three Thousand Nine Hundred Ninety Only
16	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum, Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermeable plastic sheet of 125	Cum	311.66	5471.00	Rupees Five Thousand Four Hundred Seventy One Only
17	Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	2077.70	75.50	Rupees Seventy Five And Paise Fifty Only

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